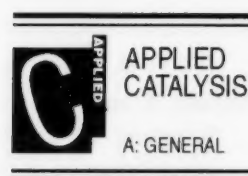




ELSEVIER

Applied Catalysis A: General 121 (1994) 273–274



Author Index

- Ahmed, M., see Rahman, A. 203
Aitani, A.M., see Rahman, A. 203
Ando, H., see Fujiwara, M. 113
Baiker, A., see Knell, A. 139
Barbier, J., see Montassier, C. 231
Bellatreccia, M., see Psaro, R. 19
Bellussi, G., see Forni, L. 261
Bensalem, A., Bozon-Verduraz, F., Delamar, M. and Bugli, G.
Preparation and characterization of highly dispersed silica-supported ceria 81
Bozon-Verduraz, F., see Bensalem, A. 81
Bugli, G., see Bensalem, A. 81
Calmotti, S., see Psaro, R. 19
Catana, G., see Parvulescu, V.I. 69
Chao, K.-J., Lin, L.-H., Ling, Y.-C., Hwang, J.-F. and Hou, L.-Y.
Vanadium passivation of cracking catalysts by imaging secondary ion mass spectrometry 217
Chu, W., Kieffer, R., Kiennemann, A. and Hindermann, J.P.
Conversion of syngas to C₁–C₆ alcohol mixtures on promoted CuLa₂Zr₂O₇ catalysts 95
Cremona, G., see Forni, L. 261
Delamar, M., see Bensalem, A. 81
Dossi, C., see Psaro, R. 19
Dumas, J.M., see Montassier, C. 231
Feigenbaum, L., see Leclercq, G. 169
Forni, L., Cremona, G., Missineo, F., Bellussi, G., Perego, C. and Pazzuconi, G.
Transalkylation of *m*-diethylbenzene over large-pore zeolites 261
Frunza, L., see Parvulescu, V.I. 69
Fujiwara, M., Kieffer, R., Ando, H. and Souma, Y.
Development of composite catalysts made of Cu–Zn–Cr oxide/zeolite for the hydrogenation of carbon dioxide 113
Garlaschelli, L., see Psaro, R. 19
Granger, P., see Montassier, C. 231
Guisnet, M., see Moljord, K. 245
Hanaya, M., see Miyake, T. 13
Hindermann, J.P., see Chu, W. 95
Hou, L.-Y., see Chao, K.-J. 217
Hwang, J.-F., see Chao, K.-J. 217
Ikenaga, N., see Sugino, M. 125
Inoue, M., Kominami, H. and Inui, T.
Novel synthesis method for thermally stable monoclinic zirconia Hydrolysis of zirconium alkoxides at high temperatures with a limited amount of water dissolved in inert organic solvent from the gas phase 1
Inui, T., see Inoue, M. 1
Jenner, G.
Homogeneous catalytic reactions involving methyl formate 25
Kalló, D. and Mihályi, R.M.
Mechanism of 1-butene hydration over acidic zeolite and ion-exchange resin catalysts 45
Kamal, M., see Leclercq, G. 169
Kieffer, R., see Chu, W. 95
Kieffer, R., see Fujiwara, M. 113
Kiennemann, A., see Chu, W. 95
Kiricsi, I., see Parker, Jr., W.O. 7
Knell, A., Monti, D., Maciejewski, M. and Baiker, A.
Catalytic dehydrogenation of 10,11-dihydro-5H-dibenz[b,f]azepine (iminodibenzyl) to 5H-dibenz[b,f]azepine (iminostilbene) potassium-promoted iron oxides 139
Kominami, H., see Inoue, M. 1
Lamonnier, J.-F., see Leclercq, G. 169
Leclercq, G., Kamal, M., Lamonnier, J.-F., Feigenbaum, L., Malfroy, P. and Leclercq, L.
Treatment of bulk Group VI transition metal carbides with hydrogen and oxygen 169
Leclercq, L., see Leclercq, G. 169
Lin, L.-H., see Chao, K.-J. 217
Ling, Y.-C., see Chao, K.-J. 217
Liu, Y. and Shen, S.
Direct epoxidation of ethylene in a dilute reaction stream in oxidative coupling of methane 57
Maciejewski, M., see Knell, A. 139
Magnoux, P., see Moljord, K. 245
Malfroy, P., see Leclercq, G. 169
Marengo, S., see Psaro, R. 19
Mihályi, R.M., see Kalló, D. 45
Missineo, F., see Forni, L. 261
Miura, H., see Sugino, M. 125

- Miyake, T. and Hanaya, M.
Screening of metal chloride catalysts for oxychlorination of propene 13
- Mohamed, M.H., see Rahman, A. 203
- Moljord, K., Magnoux, P. and Guisnet, M.
Coking, aging and regeneration of zeolites XVI.
Influence of the composition of HY zeolites on the removal of coke through oxidative treatment 245
- Montassier, C., Dumas, J.M., Granger, P. and Barbier, J.
Deactivation of supported copper based catalysts during polyol conversion in aqueous phase 231
- Monti, D., see Knell, A. 139
- Parker, Jr., W.O. and Kiricsi, I.
Aluminum complexes in partially hydrolyzed aqueous $AlCl_3$ solutions used to prepare pillared clay catalysts 7
- Parvulescu, V., see Parvulescu, V.I. 69
- Parvulescu, V.I., Frunza, L., Catana, G., Russu, R. and Parvulescu, V.
Acidic and textural properties of H-ZSM-5 impregnated with gallium, indium or thallium 69
- Pazzuconi, G., see Forni, L. 261
- Perego, C., see Forni, L. 261
- Pergola, R.D., see Psaro, R. 19
- Psaro, R., Dossi, C., Pergola, R.D., Garlaschelli, L., Calmotti, S., Marengo, S., Bellatreccia, M. and Zandoni, R.
Methanol from synthesis gas over cluster-derived FeIr/MgO catalysts 19
- Rahman, A., Mohamed, M.H., Ahmed, M. and Aitani, A.M.
Characterization of chromia/alumina catalysts by X-ray photoelectron spectroscopy, proton induced X-ray emission and thermogravimetric analysis 203
- Rao, B.S., see Reddy, K.S.N. 191
- Reddy, B.M. and Ruckenstein, E.
Oxidative methylation of organic compounds with methane over alkali promoted MgO catalysts 159
- Reddy, K.S.N., Rao, B.S. and Shiralkar, V.P.
Selective formation of cymenes over large pore zeolites 191
- Ruckenstein, E., see Reddy, B.M. 159
- Russu, R., see Parvulescu, V.I. 69
- Shen, S., see Liu, Y. 57
- Shimada, H., see Sugino, M. 125
- Shiralkar, V.P., see Reddy, K.S.N. 191
- Souma, Y., see Fujiwara, M. 113
- Sugino, M., Shimada, H., Turuda, T., Miura, H., Ikenaga, N. and Suzuki, T.
Oxidative dehydrogenation of ethylbenzene with carbon dioxide 125
- Suzuki, T., see Sugino, M. 125
- Turuda, T., see Sugino, M. 125
- Zandoni, R., see Psaro, R. 19



ELSEVIER

Applied Catalysis A: General 121 (1994) 275–278



Subject Index

Acetone

Oxidative methylation of organic compounds with methane over alkali promoted MgO catalysts 159

Acetophenone

Oxidative methylation of organic compounds with methane over alkali promoted MgO catalysts 159

Acidity

Acidic and textural properties of H-ZSM-5 impregnated with gallium, indium or thallium 69

Al³⁺ complexes

Aluminum complexes in partially hydrolyzed aqueous AlCl₃ solutions used to prepare pillared clay catalysts 7

Alkali promoted magnesia

Oxidative methylation of organic compounds with methane over alkali promoted MgO catalysts 159

Alkoxide

Novel synthesis method for thermally stable monoclinic zirconia Hydrolysis of zirconium alkoxides at high temperatures with a limited amount of water dissolved in inert organic solvent from the gas phase 1

Alkylation

Homogeneous catalytic reactions involving methyl formate 25

Allyl chloride

Screening of metal chloride catalysts for oxychlorination of propene 13

Azepine (10,11-dihydro-5H-dibenz[b,f]-)

Catalytic dehydrogenation of 10,11-dihydro-5H-dibenz[b,f]azepine (iminodibenzyl) to 5H-dibenz[b,f]azepine (iminostilbene) potassium-promoted iron oxides 139

Azepine (5H-dibenz[b,f]-)

Catalytic dehydrogenation of 10,11-dihydro-5H-dibenz[b,f]azepine (iminodibenzyl) to 5H-dibenz[b,f]azepine (iminostilbene) potassium-promoted iron oxides 139

Beta-zeolite

Selective formation of cymenes over large pore zeolites 191

Bonding energy

Screening of metal chloride catalysts for oxychlorination of propene 13

Butene hydration

Mechanism of 1-butene hydration over acidic zeolite and ion-exchange resin catalysts 45

Carbon dioxide

Oxidative dehydrogenation of ethylbenzene with carbon dioxide 125

Carbon dioxide hydrogenation

Development of composite catalysts made of Cu–Zn–Cr oxide/zeolite for the hydrogenation of carbon dioxide 113

Carbon monoxide

Conversion of syngas to C₁–C₆ alcohol mixtures on promoted CuLa₂Zr₂O₇ catalysts 95

Carbon monoxide hydrogenation

Methanol from synthesis gas over cluster-derived FeIr/MgO catalysts 19

Carbonylation

Homogeneous catalytic reactions involving methyl formate 25

Ceria

Preparation and characterization of highly dispersed silica-supported ceria 81

Chromia/alumina

Characterization of chromia/alumina catalysts by X-ray photoelectron spectroscopy, proton induced X-ray emission and thermogravimetric analysis 203

Chromium carbide

Treatment of bulk Group VI transition metal carbides with hydrogen and oxygen 169

Clinoptilolite

Mechanism of 1-butene hydration over acidic zeolite and ion-exchange resin catalysts 45

Cobalt

Conversion of syngas to C₁–C₆ alcohol mixtures on promoted CuLa₂Zr₂O₇ catalysts 95

Coke

Coking, aging and regeneration of zeolites XVI.

- Influence of the composition of HY zeolites on the removal of coke through oxidative treatment 245
- Composite catalyst
Development of composite catalysts made of Cu-Zn-Cr oxide/zeolite for the hydrogenation of carbon dioxide 113
- Copper
Conversion of syngas to C₁-C₆ alcohol mixtures on promoted CuLa₂Zr₂O₇ catalysts 95
- Copper/charcoal
Deactivation of supported copper based catalysts during polyol conversion in aqueous phase 231
- Copper-zinc-chromium oxide
Development of composite catalysts made of Cu-Zn-Cr oxide/zeolite for the hydrogenation of carbon dioxide 113
- Cyclodehydration
Deactivation of supported copper based catalysts during polyol conversion in aqueous phase 231
- Cymenes
Selective formation of cymenes over large pore zeolites 191
- Deactivation
Deactivation of supported copper based catalysts during polyol conversion in aqueous phase 231
- Dehydrogenation
Catalytic dehydrogenation of 10,11-dihydro-5H-dibenz[b,f]azepine (iminodibenzyl) to 5H-dibenz[b,f]azepine (iminostilbene) potassium-promoted iron oxides 139
- Differential thermal analysis
Characterization of chromia/alumina catalysts by X-ray photoelectron spectroscopy, proton induced X-ray emission and thermogravimetric analysis 203
- Diffuse reflectance spectroscopy
Preparation and characterization of highly dispersed silica-supported ceria 81
- Diphenylmethane
Oxidative methylation of organic compounds with methane over alkali promoted MgO catalysts 159
- Erythritol
Deactivation of supported copper based catalysts during polyol conversion in aqueous phase 231
- Ethylbenzene dehydrogenation
Oxidative dehydrogenation of ethylbenzene with carbon dioxide 125
- Ethylene epoxidation
Direct epoxidation of ethylene in a dilute reaction stream in oxidative coupling of methane 57
- Fluid catalytic cracking
Vanadium passivation of cracking catalysts by imaging secondary ion mass spectrometry 217
- Gallium/H-ZSM-5
Acidic and textural properties of H-ZSM-5 impregnated with gallium, indium or thallium 69
- Glucitol
Deactivation of supported copper based catalysts during polyol conversion in aqueous phase 231
- Glycerol
Deactivation of supported copper based catalysts during polyol conversion in aqueous phase 231
- Higher alcohol synthesis
Conversion of syngas to C₁-C₆ alcohol mixtures on promoted CuLa₂Zr₂O₇ catalysts 95
- Homologation
Homogeneous catalytic reactions involving methyl formate 25
- Hydrocarbon synthesis
Development of composite catalysts made of Cu-Zn-Cr oxide/zeolite for the hydrogenation of carbon dioxide 113
- Hydroformylation
Homogeneous catalytic reactions involving methyl formate 25
- Hydrogenation
Homogeneous catalytic reactions involving methyl formate 25
- Hydrogen treatment
Treatment of bulk Group VI transition metal carbides with hydrogen and oxygen 169
- Hydrolysis
Novel synthesis method for thermally stable monoclinic zirconia Hydrolysis of zirconium alkoxides at high temperatures with a limited amount of water dissolved in inert organic solvent from the gas phase 1
Aluminum complexes in partially hydrolyzed aqueous AlCl₃ solutions used to prepare pillared clay catalysts 7
- Iminodibenzyl
Catalytic dehydrogenation of 10,11-dihydro-5H-dibenz[b,f]azepine (iminodibenzyl) to 5H-dibenz[b,f]azepine (iminostilbene) potassium-promoted iron oxides 139
- Iminostilbene
Catalytic dehydrogenation of 10,11-dihydro-5H-dibenz[b,f]azepine (iminodibenzyl) to 5H-dibenz[b,f]azepine (iminostilbene) potassium-promoted iron oxides 139
- Impregnation
Acidic and textural properties of H-ZSM-5 impregnated with gallium, indium or thallium 69
- Indium/H-ZSM-5
Acidic and textural properties of H-ZSM-5 impregnated with gallium, indium or thallium 69

- Infrared spectroscopy
Preparation and characterization of highly dispersed silica-supported ceria 81
- Ion exchange
Mechanism of 1-butene hydration over acidic zeolite and ion-exchange resin catalysts 45
- Iridium
Methanol from synthesis gas over cluster-derived FeIr/MgO catalysts 19
- Iron
Methanol from synthesis gas over cluster-derived FeIr/MgO catalysts 19
- Iron/carbon
Oxidative dehydrogenation of ethylbenzene with carbon dioxide 125
- Iron oxide
Catalytic dehydrogenation of 10,11-dihydro-5H-dibenz[b,f]azepine (iminodibenzyl) to 5H-dibenz[b,f]azepine (iminostilbene) potassium-promoted iron oxides 139
- Kinetics
Transalkylation of *m*-diethylbenzene over large-pore zeolites 261
- Lithium
Oxidative dehydrogenation of ethylbenzene with carbon dioxide 125
- Magnesia
Methanol from synthesis gas over cluster-derived FeIr/MgO catalysts 19
Oxidative methylation of organic compounds with methane over alkali promoted MgO catalysts 159
- m*-Diethylbenzene
Transalkylation of *m*-diethylbenzene over large-pore zeolites 261
- Mechanism
Transalkylation of *m*-diethylbenzene over large-pore zeolites 261
- Metal carbides
Treatment of bulk Group VI transition metal carbides with hydrogen and oxygen 169
- Metal chloride catalyst
Screening of metal chloride catalysts for oxychlorination of propene 13
- Methane
Oxidative methylation of organic compounds with methane over alkali promoted MgO catalysts 159
- Methane oxidative coupling
Direct epoxidation of ethylene in a dilute reaction stream in oxidative coupling of methane 57
- Methanol
Methanol from synthesis gas over cluster-derived FeIr/MgO catalysts 19
- Methyl formate
Homogeneous catalytic reactions involving methyl formate 25
- Mixed-metal clusters
Methanol from synthesis gas over cluster-derived FeIr/MgO catalysts 19
- Molybdenum carbide
Treatment of bulk Group VI transition metal carbides with hydrogen and oxygen 169
- Mordenite
Selective formation of cymenes over large pore zeolites 191
- NMR spectroscopy
Aluminum complexes in partially hydrolyzed aqueous AlCl₃ solutions used to prepare pillared clay catalysts 7
- OCM
Direct epoxidation of ethylene in a dilute reaction stream in oxidative coupling of methane 57
- Oxidation
Coking, aging and regeneration of zeolites XVI. Influence of the composition of HY zeolites on the removal of coke through oxidative treatment 245
- Oxidation-reduction treatment
Screening of metal chloride catalysts for oxychlorination of propene 13
- Oxidative methylation
Oxidative methylation of organic compounds with methane over alkali promoted MgO catalysts 159
- Oxychlorination
Screening of metal chloride catalysts for oxychlorination of propene 13
- Oxygen treatment
Treatment of bulk Group VI transition metal carbides with hydrogen and oxygen 169
- Pillaring agents for interlayered clay minerals
Aluminum complexes in partially hydrolyzed aqueous AlCl₃ solutions used to prepare pillared clay catalysts 7
- Polyol conversion
Deactivation of supported copper based catalysts during polyol conversion in aqueous phase 231
- Potassium
Catalytic dehydrogenation of 10,11-dihydro-5H-dibenz[b,f]azepine (iminodibenzyl) to 5H-dibenz[b,f]azepine (iminostilbene) potassium-promoted iron oxides 139
- Precursor
Catalytic dehydrogenation of 10,11-dihydro-5H-dibenz[b,f]azepine (iminodibenzyl) to 5H-dibenz[b,f]azepine (iminostilbene) potassium-promoted iron oxides 139
- Promotion
Catalytic dehydrogenation of 10,11-dihydro-5H-dibenz[b,f]azepine (iminodibenzyl) to 5H-dibenz[b,f]azepine (iminostilbene) potassium-promoted iron oxides 139

- Propene transformation
Coking, aging and regeneration of zeolites XVI.
Influence of the composition of HY zeolites on the removal of coke through oxidative treatment 245
- Proton induced X-ray emission spectroscopy
Characterization of chromia/alumina catalysts by X-ray photoelectron spectroscopy, proton induced X-ray emission and thermogravimetric analysis 203
- Rare earth oxides
Conversion of syngas to C_1 - C_6 alcohol mixtures on promoted $CuLa_2Zr_2O_7$ catalysts 95
- Regeneration
Coking, aging and regeneration of zeolites XVI.
Influence of the composition of HY zeolites on the removal of coke through oxidative treatment 245
- Resin
Mechanism of 1-butene hydration over acidic zeolite and ion-exchange resin catalysts 45
- Secondary ion mass spectroscopy imaging
Vanadium passivation of cracking catalysts by imaging secondary ion mass spectrometry 217
- Silver (supported)
Direct epoxidation of ethylene in a dilute reaction stream in oxidative coupling of methane 57
- Solid acids
Mechanism of 1-butene hydration over acidic zeolite and ion-exchange resin catalysts 45
- Stability (thermal)
Novel synthesis method for thermally stable monoclinic zirconia Hydrolysis of zirconium alkoxides at high temperatures with a limited amount of water dissolved in inert organic solvent from the gas phase 1
- Surface structure
Characterization of chromia/alumina catalysts by X-ray photoelectron spectroscopy, proton induced X-ray emission and thermogravimetric analysis 203
- Synthesis gas
Methanol from synthesis gas over cluster-derived $FeIr/MgO$ catalysts 19
- Temperature-programmed XRD
Treatment of bulk Group VI transition metal carbides with hydrogen and oxygen 169
- Texture
Acidic and textural properties of H-ZSM-5 impregnated with gallium, indium or thallium 69
- Thallium/H-ZSM-5
Acidic and textural properties of H-ZSM-5 impregnated with gallium, indium or thallium 69
- Thermogravimetry
Characterization of chromia/alumina catalysts by X-ray photoelectron spectroscopy, proton induced X-ray emission and thermogravimetric analysis 203
- Transalkylation
Transalkylation of *m*-diethylbenzene over large-pore zeolites 261
- Tungsten carbide
Treatment of bulk Group VI transition metal carbides with hydrogen and oxygen 169
- Vanadium passivation
Vanadium passivation of cracking catalysts by imaging secondary ion mass spectrometry 217
- X-ray diffraction
Treatment of bulk Group VI transition metal carbides with hydrogen and oxygen 169
- X-ray photoelectron spectroscopy
Preparation and characterization of highly dispersed silica-supported ceria 81
Characterization of chromia/alumina catalysts by X-ray photoelectron spectroscopy, proton induced X-ray emission and thermogravimetric analysis 203
- Y-zeolite
Transalkylation of *m*-diethylbenzene over large-pore zeolites 261
- Zeolite- β
Transalkylation of *m*-diethylbenzene over large-pore zeolites 261
- Zeolites
Selective formation of cymenes over large pore zeolites 191
Coking, aging and regeneration of zeolites XVI.
Influence of the composition of HY zeolites on the removal of coke through oxidative treatment 245
- Zirconia
Novel synthesis method for thermally stable monoclinic zirconia Hydrolysis of zirconium alkoxides at high temperatures with a limited amount of water dissolved in inert organic solvent from the gas phase 1
- ZSM-12
Selective formation of cymenes over large pore zeolites 191
Transalkylation of *m*-diethylbenzene over large-pore zeolites 261

